

DERWENT- 1997-318460

ACC-NO:

DERWENT- 200250

WEEK:

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**TITLE:** Control of system for ventilating and air conditioning of rooms having at least one input air channel to room, with component for volume regulation of air flow to room, and indicator for detection of temperature in air flow

**INVENTOR:** ANDERSSON R

**PATENT-ASSIGNEE:** PM-LUFT AB[PMLUN]

**PRIORITY-DATA:** 1995SE-003485 (October 9, 1995)

**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE
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SE 9503485 A	April 10, 1997	SV
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SE 517668 C2	July 2, 2002	SV
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**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
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SE 9503485A	N/A	1995SE-003485	October 9, 1995
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**INT-CL-**

**CURRENT:**

TYPE	IPC	DATE
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CIPS	F24 F	<u>11/00</u> 20060101
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CIPS	F24 F	<u>11/053</u> 20060101
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CIPS	F24 F	<u>3/044</u> 20060101
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**ABSTRACTED-PUB-NO:** SE 9503485 A

**BASIC-ABSTRACT:**

An indicator detects the temperature in the air flow in or from the room and a control unit controls the flow and temperature of air. The control unit adjusts the input air flow and temperature to the

temperature variations in the room in order to maintain the required temperature level.

The control unit, on detection of an increasing cooling requirement, successively lowers the input air temperature from a normal level in the direction of a minimum level until the required temperature level is achieved. The air flow is increased from a normal flow to a maximum flow if the input air temperature reaches the minimum temperature. Regulation of the input air occurs by means of a speed-regulated fan.

ADVANTAGE - The control of the ventilation system is such that the noise level and energy use are maintained at a low level during the main part of the day.

**TITLE-** CONTROL SYSTEM VENTILATION AIR CONDITION ROOM ONE INPUT  
**TERMS:** CHANNEL COMPONENT VOLUME REGULATE FLOW INDICATE DETECT  
TEMPERATURE

**DERWENT-CLASS:** Q74 X27

**EPI-CODES:** X27-E01B;

**SECONDARY-ACC-NO:**

**Non-CPI Secondary Accession Numbers:** 1997-263647